

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	2885	(flat or mirror or "mirror mark") near5 (address or sync or EDC)	US-PGPUB; USPAT	OR	ON	2006/08/31 14:34
S4	17575	(disc or disk) near5 (id or identif\$8)	US-PGPUB; USPAT	OR	ON	2006/08/31 15:50
S5	10	S3 same S4	US-PGPUB; USPAT	OR	ON	2006/08/30 11:26
S6	248036	(flat or mirror) near5 (track or area or region or portion or zone)	US-PGPUB; USPAT	OR	ON	2006/08/30 11:39
S7	97	S4 same S6	US-PGPUB; USPAT	OR	ON	2006/08/30 11:28
S8	49	S7 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 11:28
S9	22299	mirror near2 (mark or area or region or portion)	US-PGPUB; USPAT	OR	ON	2006/08/30 11:47
S10	50	S4 same (S6 or S9) and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 11:40
S11	8418	management near2 (area or region)	US-PGPUB; USPAT	OR	ON	2006/08/30 13:14
S12	56	S11 same S6	US-PGPUB; USPAT	OR	ON	2006/08/30 11:53
S13	36	S12 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 11:48
S15	27	369/275.3 and "mirror mark"	US-PGPUB; USPAT	OR	ON	2006/08/30 11:53
S16	137	S11 near10 S4	US-PGPUB; USPAT	OR	ON	2006/08/30 13:25
S17	1750	369/275.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 13:15
S18	33	S16 and S17	US-PGPUB; USPAT	OR	ON	2006/08/30 13:25
S21	249	S11 SAME S4	US-PGPUB; USPAT	OR	ON	2006/08/30 13:25
S22	54	S21 and S17	US-PGPUB; USPAT	OR	ON	2006/08/30 13:32
S23	21	S22 not S18	US-PGPUB; USPAT	OR	ON	2006/08/30 13:28
S24	12	S23 and S6	US-PGPUB; USPAT	OR	ON	2006/08/30 13:29
S27	173	S21 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 13:31
S29	27	S21 and S17 and S6	US-PGPUB; USPAT	OR	ON	2006/08/30 14:40

## EAST Search History

S33	81	S21 and S6	US-PGPUB; USPAT	OR	ON	2006/08/30 14:53
S34	54	S33 not S22	US-PGPUB; USPAT	OR	ON	2006/08/30 14:41
S35	3444895	flat portion	US-PGPUB; USPAT	OR	ON	2006/08/30 14:54
S36	39560	"flat portion"	US-PGPUB; USPAT	OR	ON	2006/08/30 14:54
S37	194	S36 and S4	US-PGPUB; USPAT	OR	ON	2006/08/30 14:54
S38	5	S36 WITH S4	US-PGPUB; USPAT	OR	ON	2006/08/30 14:54
S39	107114	(disk or disc or medium) near2 (type)	US-PGPUB; USPAT	OR	ON	2006/08/31 14:34
S40	14278	(management or header) near2 (area or region or zone)	US-PGPUB; USPAT	OR	ON	2006/08/31 14:35
S41	67	S39 near4 S40	US-PGPUB; USPAT	OR	ON	2006/08/31 14:35
S42	41	S41 and "369".cls.	US-PGPUB; USPAT	OR	ON	2006/08/31 15:50
S43	612	369/53.2.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/02 15:00
S44	490	369/53.22.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/02 14:43
S45	251	369/53.17.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/31 15:50
S46	17599	(disc or disk) near5 (id or identif\$8)	US-PGPUB; USPAT	OR	ON	2006/08/31 15:51
S47	88	S46 and S45	US-PGPUB; USPAT	OR	ON	2006/08/31 15:51
S48	156616	(threshold or compar\$5) near2 level	US-PGPUB; USPAT	OR	ON	2006/08/31 15:53
S49	9	S48 near10 S46	US-PGPUB; USPAT	OR	ON	2006/08/31 15:59
S52	16907	(judg\$4 or determin\$6 or detect\$5 or verif\$8) near3 (authentic\$4 or authoriz\$6 or copyright)	US-PGPUB; USPAT	OR	ON	2006/08/31 16:11
S53	2	S52 near10 S46	US-PGPUB; USPAT	OR	ON	2006/08/31 16:11
S55	35	S52 SAME S46	US-PGPUB; USPAT	OR	ON	2006/08/31 16:05
S56	14168	(judg\$4 or determin\$6 or detect\$5 or verif\$8) near3 (authentic\$4)	US-PGPUB; USPAT	OR	ON	2006/08/31 16:11

## EAST Search History

S57	24	S56 near10 S46	US-PGPUB; USPAT	OR	ON	2006/08/31 16:11
S58	17599	(disc or disk) near5 (id or identif\$8)	US-PGPUB; USPAT	OR	ON	2006/09/02 15:06
S59	14168	(judg\$4 or determin\$6 or detect\$5 or verif\$8) near3 (authentic\$4)	US-PGPUB; USPAT	OR	ON	2006/09/02 15:10
S60	26	S59 WITH S58	US-PGPUB; USPAT	OR	ON	2006/09/02 14:39
S61	7	S60 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/02 14:39
S62	45	S59 same S58	US-PGPUB; USPAT	OR	ON	2006/09/02 14:39
S63	11	S62 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/02 14:39
S64	472	369/53:21.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/02 15:05
S65	250	S64 and S58	US-PGPUB; USPAT	OR	ON	2006/09/02 14:43
S66	56972	(terminat\$4 or end\$4 or eject\$4 or discharg\$4) near2 (record\$4 or play\$4 or reproduc\$4)	US-PGPUB; USPAT	OR	ON	2006/09/02 15:02
S67	2388	S66 and S58	US-PGPUB; USPAT	OR	ON	2006/09/02 14:47
S68	54	S67 and S64	US-PGPUB; USPAT	OR	ON	2006/09/02 15:00
S69	427	369/84.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/02 15:00
S70	29	S67 and S69	US-PGPUB; USPAT	OR	ON	2006/09/02 15:00
S71	6625	(eject\$4 or discharg\$4) near2 (disk or disc)	US-PGPUB; USPAT	OR	ON	2006/09/02 15:02
S72	8	(authentic\$4) with S71	US-PGPUB; USPAT	OR	ON	2006/09/02 15:03
S73	9629	(disc or disk) near2 (id or identif\$8)	US-PGPUB; USPAT	OR	ON	2006/09/02 15:06
S74	183	S73 and S59	US-PGPUB; USPAT	OR	ON	2006/09/02 15:06
S75	35	S74 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/02 15:07
S76	13	S74 and S64	US-PGPUB; USPAT	OR	ON	2006/09/02 15:10
S77	281	(judg\$4 or determin\$6 or detect\$5 or verif\$8) near3 ((authorized or unauthorized) near2 copy)	US-PGPUB; USPAT	OR	ON	2006/09/02 15:11

## EAST Search History

S78	45	S77 and S58	US-PGPUB; USPAT	OR	ON	2006/09/02 15:11
S79	6	S77 WITH S58	US-PGPUB; USPAT	OR	ON	2006/09/02 15:48
S80	1	"6407969"	US-PGPUB; USPAT	OR	ON	2006/09/02 15:49
S81	2	"6795389"	US-PGPUB; USPAT	OR	ON	2006/09/02 15:49

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/760585	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 08:16
S2	16	((TAMOTSU) near2 (IIDA)).INV.	US-PGPUB; USPAT	OR	ON	2006/08/28 08:21
S3	22	((REIJI) near2 (TAMURA)).INV.	US-PGPUB; USPAT	OR	ON	2006/08/28 08:22
S4	32	((TOSHINORI) near2 (SUGIYAMA)). INV.	US-PGPUB; USPAT	OR	ON	2006/08/28 08:22
S5	18	((HIDEKI) near2 (NAGANO)).INV.	US-PGPUB; USPAT	OR	ON	2006/08/28 08:22
S6	7	((TOSHIKI) near2 (TAII)).INV.	US-PGPUB; USPAT	OR	ON	2006/08/28 08:23
S7	14	((YUJI) near2 (YAMAZAKI)).INV.	US-PGPUB; USPAT	OR	ON	2006/08/28 08:23
S8	92	S2 or S3 or S4 or S5 or S6 or S7	US-PGPUB; USPAT	OR	ON	2006/08/28 08:25
S15	1750	369/275.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 10:41
S16	490	369/53.22.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 10:43
S17	168	369/59.17.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 13:56
S18	472	369/53.21.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 10:47
S19	612	369/53.2.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 10:43
S20	171	(management near2 (region or area)) same ((disk or disc or medium) near2 (id or identification))	US-PGPUB; USPAT	OR	ON	2006/08/29 15:55
S21	27	S20 and S15	US-PGPUB; USPAT	OR	ON	2006/08/29 13:11
S22	20	S21 and mirror	US-PGPUB; USPAT	OR	ON	2006/08/29 10:54
S24	1750	mirror adj (area or region)	US-PGPUB; USPAT	OR	ON	2006/08/29 15:41
S25	92	S24 and S15	US-PGPUB; USPAT	OR	ON	2006/08/29 10:55

## EAST Search History

S26	2141	(management near2 (region or area)) same (((disk or disc or medium) near2 (id or identification)) or SYNC or synchron\$8 or "SYNC code" or EDC or "error detection code" or address)	US-PGPUB; USPAT	OR	ON	2006/08/30 08:31
S27	37	S26 and (mirror adj (area or region))	US-PGPUB; USPAT	OR	ON	2006/08/29 13:07
S28	211	S26 and (S15 or S16 or S17 or S18 or S19)	US-PGPUB; USPAT	OR	ON	2006/08/29 15:54
S29	118	S26 and S15	US-PGPUB; USPAT	OR	ON	2006/08/29 13:08
S30	125	S24 and (S15 or S16 or S17 or S18 or S19)	US-PGPUB; USPAT	OR	ON	2006/08/29 14:16
S36	964363	SYNC or synchron\$8 or "SYNC code" or EDC or "error detection code" or address	US-PGPUB; USPAT	OR	ON	2006/08/29 13:23
S37	15575	(mirror or flat) adj (area or region)	US-PGPUB; USPAT	OR	ON	2006/08/29 14:16
S38	105	S36 with S37	US-PGPUB; USPAT	OR	ON	2006/08/29 13:29
S42	1	(S36 with S37) and S20	US-PGPUB; USPAT	OR	ON	2006/08/29 13:29
S43	11	S36 and S37 and S20	US-PGPUB; USPAT	OR	ON	2006/08/29 13:30
S44	41	S37 and S26	US-PGPUB; USPAT	OR	ON	2006/08/29 14:25
S45	39	S44 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 14:24
S46	608	S26 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 14:24
S47	118	S26 and 369/275.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 14:26
S48	343	S26 and mirror	US-PGPUB; USPAT	OR	ON	2006/08/29 14:25
S49	101	S48 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 14:25
S50	34	S48 and 369/275.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 14:26
S51	10180	(disk or disc or medium) near2 (id or identification)	US-PGPUB; USPAT	OR	ON	2006/08/29 15:09
S52	9	S51 and S17	US-PGPUB; USPAT	OR	ON	2006/08/29 15:14

## EAST Search History

S53	151	S51 and S18	US-PGPUB; USPAT	OR	ON	2006/08/29 15:14
S54	30	S53 and land and groove	US-PGPUB; USPAT	OR	ON	2006/08/29 15:14
S55	36117	land and groove	US-PGPUB; USPAT	OR	ON	2006/08/29 15:44
S56	199992	(mirror or flat) adj (area or region or zone or field or surface)	US-PGPUB; USPAT	OR	ON	2006/08/29 15:43
S58	14536	land WITH groove	US-PGPUB; USPAT	OR	ON	2006/08/29 15:45
S59	108	S56 and S26 and S58	US-PGPUB; USPAT	OR	ON	2006/08/29 15:50
S60	37	S59 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 15:45
S61	29	S56 same S26	US-PGPUB; USPAT	OR	ON	2006/08/29 15:51
S62	9171	DVD near2 RAM	US-PGPUB; USPAT	OR	ON	2006/08/29 15:53
S63	741	S62 and S56	US-PGPUB; USPAT	OR	ON	2006/08/29 15:53
S64	93	S62 and S20	US-PGPUB; USPAT	OR	ON	2006/08/29 16:02
S65	42	S64 and (S15 or S16 or S17 or S18 or S19)	US-PGPUB; USPAT	OR	ON	2006/08/29 15:59
S66	71	S64 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:00
S67	29	S66 not S65	US-PGPUB; USPAT	OR	ON	2006/08/29 16:00
S68	63	S62 and S20 and S56	US-PGPUB; USPAT	OR	ON	2006/08/29 16:02
S69	47	S68 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:02
S71	29	((disk or disc) near2 (id or identification)) near4 authentic\$7	US-PGPUB; USPAT	OR	ON	2006/08/30 08:33
S72	4	S71 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 08:34
S73	48	((disk or disc) near2 (id or identification)) near10 authentic\$7	US-PGPUB; USPAT	OR	ON	2006/08/30 08:36
S74	10	S73 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 08:36
S75	43	((disk or disc) near2 (id or identification)) near10 valid\$7	US-PGPUB; USPAT	OR	ON	2006/08/30 08:37
S76	102	((disk or disc) near2 (id or identification)) near10 confirm\$7	US-PGPUB; USPAT	OR	ON	2006/08/30 08:41

## EAST Search History

S77	127	((disk or disc near2 (id or identification)) and 369/53.21.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 08:45
S78	12	((((disk or disc near2 (id or identification)) SAME authentic\$7) and 369/53.21.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 15:19
S79	6	((((disk or disc near2 (id or identification)) SAME authoriz\$7) and 369/53.21.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 08:48
S80	7	((((disk or disc near2 (id or identification)) SAME valid\$7) and 369/53.21.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 09:24
S82	40	(DVD near2 RAM) and ((disk or disc near2 (id or identification)) and 369/53.21.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 09:25
S83	3	"20030223347"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 11:04
S84	4	10/121873	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 11:04
S85	1	((((disk or disc near2 (id or identification)) SAME (authentic\$7 or authoriz\$7 or valid\$7 or verif\$7 or confirm\$7 or copyright\$7)) and 369/59.17.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 15:21
S86	491	((((disk or disc near2 (id or identification)) SAME (authentic\$7 or authoriz\$7 or valid\$7 or verif\$7 or confirm\$7 or copyright\$7))	US-PGPUB; USPAT	OR	ON	2006/08/30 15:21
S87	143	S86 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 15:21
S88	297	((((disk or disc near2 (id or identification)) WITH (authentic\$7 or authoriz\$7 or valid\$7 or verif\$7 or confirm\$7 or copyright\$7))	US-PGPUB; USPAT	OR	ON	2006/08/30 15:37
S89	93	S88 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 15:36
S90	20	((((disk or disc near2 (id or identification)) WITH (authentic\$4))	US-PGPUB; USPAT	OR	ON	2006/08/30 15:37



## EAST Search History

S91	14	(((disk or disc) near2 (id or identification)) SAME authentic\$4) and (((terminat\$4 or end\$4 or stop\$4) near4 (record\$4 or playback)) or (discharg\$4 or eject\$4))	US-PGPUB; USPAT	OR	ON	2006/08/30 15:40
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1750	369/275.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:08
S2	612	369/53.2.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:09
S3	490	369/53.22.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:09
S4	168	369/59.17.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:09
S5	472	369/53.21.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:09
S6	3221	S1 or S2 or S3 or S4 or S5	US-PGPUB; USPAT	OR	ON	2006/08/29 16:09
S7	405131	(mirror or flat) near2 (portion or region or area or zone or surface or field)	US-PGPUB; USPAT	OR	ON	2006/08/29 16:11
S8	15645	management near2 (portion or region or area or zone or surface or field)	US-PGPUB; USPAT	OR	ON	2006/08/29 16:11
S9	1152	((disk or disc or medium) near2 (ID or identification)) near2 (portion or region or area or zone or surface or field)	US-PGPUB; USPAT	OR	ON	2006/08/29 16:14
S10	145053	(address near2 information) or (SYNC or "SYNC code") or ("error detection code" or EDC or (error near2 detection near2 code))	US-PGPUB; USPAT	OR	ON	2006/08/29 16:15
S11	61	S7 near10 S10	US-PGPUB; USPAT	OR	ON	2006/08/29 16:22
S12	19	S11 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:23
S13	335	S7 SAME S10	US-PGPUB; USPAT	OR	ON	2006/08/29 16:23
S14	155	S13 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:23
S15	32	(S7 SAME S10) and S8	US-PGPUB; USPAT	OR	ON	2006/08/29 16:24
S16	26	S15 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:27
S17	27	S7 near10 S8	US-PGPUB; USPAT	OR	ON	2006/08/29 16:28
S18	8	S17 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:29

## EAST Search History

S19	1001	land with groove with (mirror or flat)	US-PGPUB; USPAT	OR	ON	2006/08/29 16:29
S20	383	S19 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/29 16:29
S21	105	S19 and S6	US-PGPUB; USPAT	OR	ON	2006/08/29 16:29
S22	211	(dvd near2 ram) and (disk near2 (id or identification)) and mirror	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 17:43
S23	64	(dvd near2 ram) and (disk near2 (id or identification)) and ((mirror or flat) near2 (mark or region or area))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 17:53
S24	59	S23 and "369".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 17:51
S25	236	369/47.22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 17:52
S26	44	(disk near2 (id or identification)) and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 08:00